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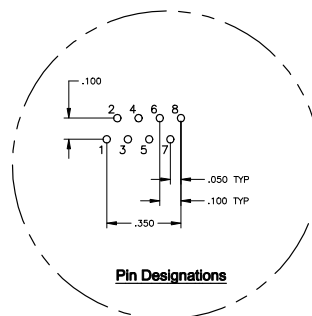
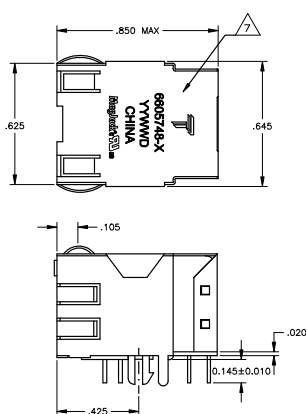
sales@integrated-circuit.com

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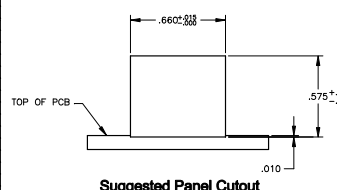
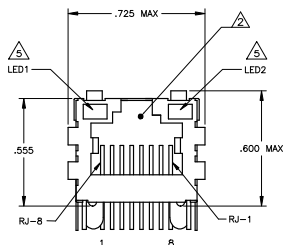
PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:
5736910 5939955 6425781 6428361 6554638 6840817 7123117
7429195 7717749 7808751 6217391 6149050 7924130

REVISIONS					
#	DATE	DESCRIPTION	BY	CHK	APP
1	10/1/2014	EC-1411035 COMPANY LOGO CHANGE	30DEC2014	ST	TU

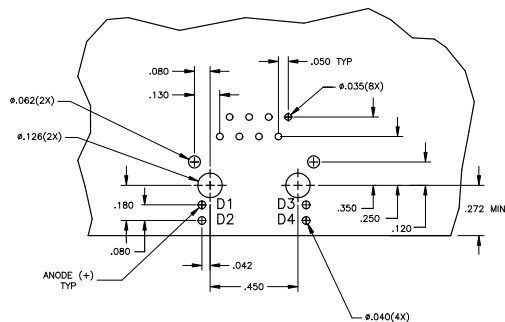
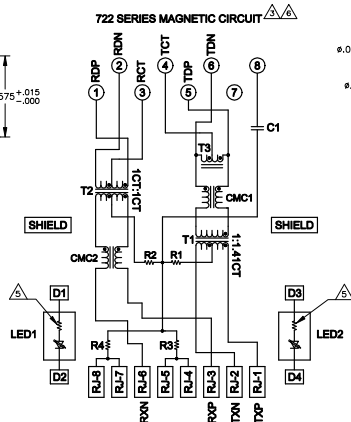
MECHANICAL:



Pin Designations



722 SERIES MAGNETIC CIRCUIT



Suggested PCB Layout
(Component Side)

1. MATERIALS
HOUSING - THERMOPLASTIC PET POLYESTER FLAMMABILITY RATING UL 94V-0
SHIELD - .010" THICK, C26800 BARS PREPARED WITH .300µm MIN SEMI-BRIT
KNOCK TABS POSTS DIPPED WITH 100µm MIN SAG SOLDER
MOD JACK CONTACTS - .015" X .010" X .010" SILVER
NICKEL UNDERPLATE WITH SELECT .500µm MIN HARD GOLD FINISH PLATE
SOLDER TABS WITH 100µm MIN MATTE TIN AND/OR GOLD SOLDER DIP
LIGHT EMITTING DIODEDLED - DIFFUSED EPOXY LENS, .020" X .020" CARBON SEAL
WIREFRAME LEADS PRE-PLATED WITH 1.80µm SILVER OR 4.0µm NICKEL
UNDERPLATING OVER 4.0µm COPPER UNDERPLATE, POST-PLATED WITH 100µm
MIN MATTE TIN AND/OR GOLD SOLDER DIP OR PURE TIN SOLDER DIP
- △ RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68, SUB
PART F.
- △ MAGNETICS
APPLICATION: 100/100 BASE-T
-IMPEDANCE: 100 OHMS
-TURNS RATIO (CHP/CABLE): 1:1, 1:4, 1:6, 1:8
-OPEN CIRCUIT INDUCTANCE (Ω): 350µH MIN @100MHz, 0.1VRMS,
8mA DC BIAS FROM 0°C TO 70°C, TX AND RX
-PERFORMANCE @ 25°C:
INSERTION LOSS (IL): 1.1dB MAX FROM 0.5MHz TO 100MHz
RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 30MHz
18-.22.001/1/20dB MIN FROM 30 MHz TO 60MHz
12dB MIN FROM 60 MHz TO 80MHz
CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 4.0MHz
33-.22.001/50dB MIN FROM 4.0 MHz TO 100MHz
COMMON MODE REJECTION RATIO (CMRR): 30dB MIN FROM 0.5MHz TO 100MHz
-ISOLATION VOLTAGE:225VDC (MAX) FOR 60 SECONDS WITH A RISE TIME OF
500V/SEC.
- 4 OPERATING TEMPERATURE: FROM 0°C TO +70°C.
- △ THE 250 OHM RESISTOR IS OPTIONAL, PLEASE SEE CHART FOR PRESENCE OR
ABSENCE OF LED RESISTORS.
IF LEADS WITHOUT 250 OHM RESISTOR, LEADS ARE DRIVEN WITH CONSTANT
CURRENT AT APPROX 20 mA
LED COLOR: DOMINANT WAVELENGTH (Å): GREEN 568 nm TYP @ IF=20 mA
FORWARD VOLTAGE (VF): GREEN 2.2 V TYP @ IF=20 mA
DOMINANT WAVELENGTH (Å): YELLOW 588 nm TYP @ IF=20 mA
FORWARD VOLTAGE (VF): YELLOW 2.1 V TYP @ IF=20 mA
IF LEADS WITH BUILT-IN RESISTOR, LEADS ARE DRIVEN WITH SV VOLTAGE AND
THE MAX OPERATING CURRENT IS 20mA.
LED COLOR: DOMINANT WAVELENGTH (Å): GREEN 568 nm TYP @ VF=5V
FORWARD CURRENT (IF): GREEN 12mA TYP @ VF=5V
DOMINANT WAVELENGTH (Å): YELLOW 588 nm TYP @ VF=5V
FORWARD CURRENT (IF): YELLOW 13mA TYP @ VF=5V
- △ INDICATED CONNECTIONS ARE FOR NIC CONFIGURATION. THE MAGNETICS ARE
ASYMMETRIC, AND DO NOT SUPPORT AUTO-MOD/MDIX.
- △ TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND
AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.
8. THESE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS, PREHEAT
TEMPERATURE IS 120°C TO 140°C, 10 SECONDS TO 180 SECONDS, PEAK WAVE
SOLDERING TEMPERATURE IS 260°C MAX, 10 SECONDS MAX.
- △ OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER
D.RENAUD/D.SINIS!

		YES	YES	GREEN	GREEN	6-6605748-1
A	OBSOLETE	NO	YES	YELLOW	GREEN	5-6605748-0
		YES	YES	GREEN	YELLOW	5-6605748-1
A	OBSOLETE	YES	NO	GREEN	GREEN	1-6605748-1
	OBSOLETE		NO	GREEN	YELLOW	6605748-1

THIS DRAWING IS A CONTROLLED DOCUMENT.		CAPACITOR		LED $\frac{1}{2}$ W	LED $\frac{1}{2}$ W	PART NUMBER
RESISTOR		GATTINGA-DODGE		 tfr CORPORATION		DONGGUAN CHINA
DIMENSIONS RICHES		1. FABLE 2. FABLE 3. FABLE 4. FABLE 5. FABLE 6. FABLE 7. FABLE 8. FABLE 9. FABLE 10. FABLE 11. FABLE 12. FABLE 13. FABLE 14. FABLE 15. FABLE 16. FABLE 17. FABLE 18. FABLE 19. FABLE 20. FABLE 21. FABLE 22. FABLE 23. FABLE 24. FABLE 25. FABLE 26. FABLE 27. FABLE 28. FABLE 29. FABLE 30. FABLE 31. FABLE 32. FABLE 33. FABLE 34. FABLE 35. FABLE 36. FABLE 37. FABLE 38. FABLE 39. FABLE 40. FABLE 41. FABLE 42. FABLE 43. FABLE 44. FABLE 45. FABLE 46. FABLE 47. FABLE 48. FABLE 49. FABLE 50. FABLE 51. FABLE 52. FABLE 53. FABLE 54. FABLE 55. FABLE 56. FABLE 57. FABLE 58. FABLE 59. FABLE 60. FABLE 61. FABLE 62. FABLE 63. FABLE 64. FABLE 65. FABLE 66. FABLE 67. FABLE 68. FABLE 69. FABLE 70. FABLE 71. FABLE 72. FABLE 73. FABLE 74. FABLE 75. FABLE 76. FABLE 77. FABLE 78. FABLE 79. FABLE 80. FABLE 81. FABLE 82. FABLE 83. FABLE 84. FABLE 85. FABLE 86. FABLE 87. FABLE 88. FABLE 89. FABLE 90. FABLE 91. FABLE 92. FABLE 93. FABLE 94. FABLE 95. FABLE 96. FABLE 97. FABLE 98. FABLE 99. FABLE 100. FABLE 101. FABLE 102. FABLE 103. FABLE 104. FABLE 105. FABLE 106. FABLE 107. FABLE 108. FABLE 109. FABLE 110. FABLE 111. FABLE 112. FABLE 113. FABLE 114. FABLE 115. FABLE 116. FABLE 117. FABLE 118. FABLE 119. FABLE 120. FABLE 121. FABLE 122. FABLE 123. FABLE 124. FABLE 125. FABLE 126. FABLE 127. FABLE 128. FABLE 129. FABLE 130. FABLE 131. FABLE 132. FABLE 133. FABLE 134. FABLE 135. FABLE 136. FABLE 137. FABLE 138. FABLE 139. FABLE 140. FABLE 141. FABLE 142. FABLE 143. FABLE 144. FABLE 145. FABLE 146. FABLE 147. FABLE 148. FABLE 149. FABLE 150. FABLE 151. FABLE 152. FABLE 153. FABLE 154. FABLE 155. FABLE 156. FABLE 157. FABLE 158. FABLE 159. FABLE 160. FABLE 161. FABLE 162. FABLE 163. FABLE 164. FABLE 165. FABLE 166. FABLE 167. FABLE 168. FABLE 169. FABLE 170. FABLE 171. FABLE 172. FABLE 173. FABLE 174. FABLE 175. FABLE 176. FABLE 177. FABLE 178. FABLE 179. FABLE 180. FABLE 181. FABLE 182. FABLE 183. FABLE 184. FABLE 185. FABLE 186. FABLE 187. FABLE 188. FABLE 189. FABLE 190. FABLE 191. FABLE 192. FABLE 193. FABLE 194. FABLE 195. FABLE 196. FABLE 197. FABLE 198. FABLE 199. FABLE 200. FABLE 201. FABLE 202. FABLE 203. FABLE 204. FABLE 205. FABLE 206. FABLE 207. FABLE 208. FABLE 209. FABLE 210. FABLE 211. FABLE 212. FABLE 213. FABLE 214. FABLE 215. FABLE 216. FABLE 217. FABLE 218. FABLE 219. FABLE 220. FABLE 221. FABLE 222. FABLE 223. FABLE 224. FABLE 225. FABLE 226. FABLE 227. FABLE 228. FABLE 229. FABLE 230. FABLE 231. FABLE 232. FABLE 233. FABLE 234. FABLE 235. FABLE 236. FABLE 237. FABLE 238. FABLE 239. FABLE 240. FABLE 241. FABLE 242. FABLE 243. FABLE 244. FABLE 245. FABLE 246. FABLE 247. FABLE 248. FABLE 249. FABLE 250. FABLE 251. FABLE 252. FABLE 253. FABLE 254. FABLE 255. FABLE 256. FABLE 257. FABLE 258. FABLE 259. FABLE 260. FABLE 261. FABLE 262. FABLE 263. FABLE 264. FABLE 265. FABLE 266. FABLE 267. FABLE 268. FABLE 269. FABLE 270. FABLE 271. FABLE 272. FABLE 273. FABLE 274. FABLE 275. FABLE 276. FABLE 277. FABLE 278. FABLE 279. FABLE 280. FABLE 281. FABLE 282. FABLE 283. FABLE 284. FABLE 285. FABLE 286. FABLE 287. FABLE 288. FABLE 289. FABLE 290. FABLE 291. FABLE 292. FABLE 293. FABLE 294. FABLE 295. FABLE 296. FABLE 297. FABLE 298. FABLE 299. FABLE 300. FABLE 301. FABLE 302. FABLE 303. FABLE 304. FABLE 305. FABLE 306. FABLE 307. FABLE 308. FABLE 309. FABLE 310. FABLE 311. FABLE 312. FABLE 313. FABLE 314. FABLE 315. FABLE 316. FABLE 317. FABLE 318. FABLE 319. FABLE 320. FABLE 321. FABLE 322. FABLE 323. FABLE 324. FABLE 325. FABLE 326. FABLE 327. FABLE 328. FABLE 329. FABLE 330. FABLE 331. FABLE 332. FABLE 333. FABLE 334. FABLE 335. FABLE 336. FABLE 337. FABLE 338. FABLE 339. FABLE 340. FABLE 341. FABLE 342. FABLE 343. FABLE 344. FABLE 345. FABLE 346. FABLE 347. FABLE 348. FABLE 349. FABLE 350. FABLE 351. FABLE 352. FABLE 353. FABLE 354. FABLE 355. FABLE 356. FABLE 357. FABLE 358. FABLE 359. FABLE 360. FABLE 361. FABLE 362. FABLE 363. FABLE 				